

Table X
Summary of 2015 Groundwater Analytical Results
Ringwood Mines/Landfill Superfund Site
Ringwood, New Jersey

Privileged and Confidential
Prepared at the request of Counsel

| Location ID | | GWQS ¹ | USEPA MCLs | OB-11R 3/20/2015 Validated | OB-20A 3/19/2015 Validated | OB-20B 3/19/2015 Validated | OB-20B DUP (031915) 3/19/2015 Validated | OB-27 OB-27(032015) 3/20/2015 Validated | RW-6 RW-6 (031915) 3/19/2015 Validated |
|------------------------------------|-------|-------------------|------------|----------------------------------|----------------------------------|----------------------------------|--------------------------------------------------|--------------------------------------------------|-------------------------------------------------|
| Sample ID | Units | | | | | | | | |
| Sample Date | | | | | | | | | |
| Validation Status | | | | | | | | | |
| VOCs | | | | | | | | | |
| 1,1,1-Trichloroethane | ug/l | 30 | 200 | < 0.32 | < 0.32 | < 0.32 | < 0.32 | < 0.32 | < 0.64 |
| 1,1,2,2-Tetrachloroethane | ug/l | 1 | NS | < 0.39 | < 0.39 | < 0.39 | < 0.39 | < 0.39 | < 0.79 |
| 1,1,2-Trichloroethane | ug/l | 3 | 5 | < 0.28 | < 0.28 | < 0.28 | < 0.28 | < 0.28 | < 0.55 |
| 1,1-Dichloroethane | ug/l | 50 | NS | < 0.35 | < 0.35 | < 0.35 | < 0.35 | < 0.35 | < 0.70 |
| 1,1-Dichloroethene | ug/l | 1 | 7 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.99 |
| 1,2,4-Trichlorobenzene | ug/l | 9 | 70 | < 0.22 | < 0.22 | < 0.22 | < 0.22 | < 0.22 | < 0.45 |
| 1,2-Dibromo-3-Chloropropane (DBCP) | ug/l | 0.02 [1] | 0.2 | < 1.2 | < 1.2 | < 1.2 | < 1.2 | < 1.2 | < 2.3 |
| 1,2-Dibromoethane | ug/l | 0.03 [0.5] | 0.05 | < 0.23 | < 0.23 | < 0.23 | < 0.23 | < 0.23 | < 0.45 |
| 1,2-Dichlorobenzene | ug/l | 600 | 600 | < 0.16 | < 0.16 | < 0.16 | < 0.16 | < 0.16 | < 0.32 |
| 1,2-Dichloroethane | ug/l | 2 | 5 | < 0.30 | < 0.30 | < 0.30 | < 0.30 | < 0.30 | < 0.60 |
| 1,2-Dichloropropane | ug/l | 1 | 5 | < 0.43 | < 0.43 | < 0.43 | < 0.43 | < 0.43 | < 0.87 |
| 1,3-Dichlorobenzene | ug/l | 600 | NS | < 0.26 | < 0.26 | < 0.26 | < 0.26 | < 0.26 | < 0.51 |
| 1,4-Dichlorobenzene | ug/l | 75 | 75 | < 0.24 | < 0.24 | < 0.24 | < 0.24 | < 0.24 | < 0.47 |
| 2-Butanone (MEK) | ug/l | 300 | NS | < 2.5 | < 2.5 | < 2.5 | < 2.5 | < 2.5 | < 5.0 |
| 2-Hexanone | ug/l | NS | NS | < 1.7 | < 1.7 | < 1.7 | < 1.7 | < 1.7 | < 3.5 |
| 4-methyl-2-pentanone (MIBK) | ug/l | NS | NS | < 1.1 | < 1.1 | < 1.1 | < 1.1 | < 1.1 | < 2.1 |
| Acetone | ug/l | 6000 | NS | < 2.6 | < 2.6 | < 2.6 | < 2.6 | < 2.6 | < 5.3 |
| Benzene | ug/l | 1 | 5 | 3.2 | < 0.21 | 0.46 J | 0.44 J | 2.8 | 344 |
| Bromodichloromethane | ug/l | 1 | 80 | < 0.28 | < 0.28 | < 0.28 | < 0.28 | < 0.28 | < 0.56 |
| Bromoform | ug/l | 4 | 80 | < 0.31 | < 0.31 | < 0.31 | < 0.31 | < 0.31 | < 0.62 |
| Bromomethane | ug/l | 10 | NS | < 0.39 | < 0.39 | < 0.39 | < 0.39 | < 0.39 | < 0.77 |
| Carbon disulfide | ug/l | 700 | NS | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.99 |
| Carbon tetrachloride | ug/l | 1 | 5 | < 0.24 | < 0.24 | < 0.24 | < 0.24 | < 0.24 | < 0.47 |
| Chlorobenzene | ug/l | 50 | 100 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.54 |
| Chloroethane | ug/l | NS | NS | 24.3 | < 0.56 | 3.6 | 3.6 | 76.7 | < 1.1 |
| Chloroform | ug/l | 70 | 80 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.41 |
| Chloromethane | ug/l | 0.0 | NS | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.66 |
| cis-1,2-Dichloroethene | ug/l | 70 | 70 | 0.45 J | < 0.33 | < 0.33 | < 0.33 | 0.35 J | < 0.65 |
| cis-1,3-Dichloropropene | ug/l | NS | NS | < 0.28 | < 0.28 | < 0.28 | < 0.28 | < 0.28 | < 0.57 |
| Cyclohexane | ug/l | NS | NS | 2.2 J | < 0.37 | 0.85 J | 0.93 J | 1.2 J | < 0.74 |
| Dibromochloromethane | ug/l | 1 | 80 | < 0.25 | < 0.25 | < 0.25 | < 0.25 | < 0.25 | < 0.50 |
| Dichlorodifluoromethane | ug/l | 1000 | NS | < 0.73 | < 0.73 | < 0.73 | < 0.73 | < 0.73 | < 1.5 |
| Ethylbenzene | ug/l | 700 | 700 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.79 |
| Freon 113 | ug/l | NS | NS | < 0.45 | < 0.45 | < 0.45 | < 0.45 | < 0.45 | < 0.89 |
| Isopropylbenzene | ug/l | 700 | NS | 0.78 J | 0.30 J | < 0.26 | < 0.26 | 2.7 | < 0.51 |
| Methyl acetate | ug/l | 7000 | NS | < 3.1 | < 3.1 | < 3.1 | < 3.1 | < 3.1 | < 6.2 |
| Methyl tert butyl ether | ug/l | 70 | NS | < 0.26 | < 0.26 | < 0.26 | < 0.26 | < 0.26 | < 0.53 |
| Methylcyclohexane | ug/l | NS | NS | 0.63 J | < 0.22 | 0.62 J | 0.69 J | 0.82 J | < 0.43 |
| Methylene chloride | ug/l | 3 | 5 | < 0.81 | < 0.81 | < 0.81 | < 0.81 | < 0.81 | < 1.6 |
| Styrene | ug/l | 100 | 100 | < 0.26 | < 0.26 | < 0.26 | < 0.26 | < 0.26 | < 0.51 |
| Tetrachloroethene | ug/l | 1 | 5 | < 0.35 | < 0.35 | < 0.35 | < 0.35 | < 0.35 | < 0.70 |
| Toluene | ug/l | 600 | 1000 | < 0.22 | < 0.22 | < 0.22 | < 0.22 | < 0.22 | < 0.44 |

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|---------------------------|-------|-------------------|------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-----------------------------------------------|------------------------------------------|-----------------------------------------|
| Sample ID | Units | | | | | | | | |
| Sample Date | | | | | | | | | |
| Validation Status | | | | | | | | | |
| Trans-1,2-dichloroethene | ug/l | 100 | 100 | < 0.51 | < 0.51 | < 0.51 | < 0.51 | < 0.51 | < 1.0 |
| trans-1,3-Dichloropropene | ug/l | NS | NS | < 0.32 | < 0.32 | < 0.32 | < 0.32 | < 0.32 | < 0.63 |
| Trichloroethene | ug/l | 1 | 5 | < 0.25 | < 0.25 | < 0.25 | < 0.25 | < 0.25 | < 0.50 |
| Trichlorofluoromethane | ug/l | 2000 | NS | < 0.28 | < 0.28 | < 0.28 | < 0.28 | < 0.28 | < 0.56 |
| Vinyl Chloride | ug/l | 1 | 2 | < 0.17 | < 0.17 | < 0.17 | < 0.17 | < 0.17 | < 0.35 |
| Xylenes | ug/l | 1000 | 10000 | < 0.20 | 0.47 J | < 0.20 | < 0.20 | < 0.20 | < 0.40 |
| Total Alkanes | ug/l | NS | NS | 0 | 0 | 0 | 0 | 0 | 0 |
| Total TIC, Volatile | ug/l | NS | NS | 25.1 JN | 0 | 5.9 JN | 6 JN | 96.1 JN | 0 |

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|------------------------------------|-------|-------------------|------------|---------------------------------------------------|--------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Sample ID | Units | | | | | | | |
| Sample Date | | | | | | | | |
| Validation Status | | | | | | | | |
| VOCs | | | | | | | | |
| 1,1,1-Trichloroethane | ug/l | 30 | 200 | < 0.32 | < 0.32 | < 0.32 | < 0.32 | < 0.32 |
| 1,1,2,2-Tetrachloroethane | ug/l | 1 | NS | < 0.39 | < 0.39 | < 0.39 | < 0.39 | < 0.39 |
| 1,1,2-Trichloroethane | ug/l | 3 | 5 | < 0.28 | < 0.28 | < 0.28 | < 0.28 | < 0.28 |
| 1,1-Dichloroethane | ug/l | 50 | NS | < 0.35 | < 0.35 | < 0.35 | < 0.35 | < 0.35 |
| 1,1-Dichloroethene | ug/l | 1 | 7 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| 1,2,4-Trichlorobenzene | ug/l | 9 | 70 | < 0.22 | < 0.22 | < 0.22 | < 0.22 | < 0.22 |
| 1,2-Dibromo-3-Chloropropane (DBCP) | ug/l | 0.02 [1] | 0.2 | < 1.2 | < 1.2 | < 1.2 | < 1.2 | < 1.2 |
| 1,2-Dibromoethane | ug/l | 0.03 [0.5] | 0.05 | < 0.23 | < 0.23 | < 0.23 | < 0.23 | < 0.23 |
| 1,2-Dichlorobenzene | ug/l | 600 | 600 | < 0.16 | < 0.16 | < 0.16 | < 0.16 | < 0.16 |
| 1,2-Dichloroethane | ug/l | 2 | 5 | < 0.30 | < 0.30 | < 0.30 | < 0.30 | < 0.30 |
| 1,2-Dichloropropane | ug/l | 1 | 5 | < 0.43 | < 0.43 | < 0.43 | < 0.43 | < 0.43 |
| 1,3-Dichlorobenzene | ug/l | 600 | NS | < 0.26 | < 0.26 | < 0.26 | < 0.26 | < 0.26 |
| 1,4-Dichlorobenzene | ug/l | 75 | 75 | 0.32 J | < 0.24 | < 0.24 | < 0.24 | < 0.24 |
| 2-Butanone (MEK) | ug/l | 300 | NS | < 2.5 | < 2.5 | < 2.5 | < 2.5 | < 2.5 |
| 2-Hexanone | ug/l | NS | NS | < 1.7 | < 1.7 | < 1.7 | < 1.7 | < 1.7 |
| 4-methyl-2-pentanone (MIBK) | ug/l | NS | NS | < 1.1 | < 1.1 | < 1.1 | < 1.1 | < 1.1 |
| Acetone | ug/l | 6000 | NS | < 2.6 | < 2.6 | < 2.6 | < 2.6 | < 2.6 |
| Benzene | ug/l | 1 | 5 | 13.3 | 150 | < 0.21 | < 0.21 | < 0.21 |
| Bromodichloromethane | ug/l | 1 | 80 | < 0.28 | < 0.28 | < 0.28 | < 0.28 | < 0.28 |
| Bromoform | ug/l | 4 | 80 | < 0.31 | < 0.31 | < 0.31 | < 0.31 | < 0.31 |
| Bromomethane | ug/l | 10 | NS | < 0.39 | < 0.39 | < 0.39 | < 0.39 | < 0.39 |
| Carbon disulfide | ug/l | 700 | NS | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Carbon tetrachloride | ug/l | 1 | 5 | < 0.24 | < 0.24 | < 0.24 | < 0.24 | < 0.24 |
| Chlorobenzene | ug/l | 50 | 100 | < 0.27 | < 0.27 | < 0.27 | < 0.27 | < 0.27 |
| Chloroethane | ug/l | NS | NS | 2.9 | < 0.56 | < 0.56 | < 0.56 | < 0.56 |
| Chloroform | ug/l | 70 | 80 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 |
| Chloromethane | ug/l | 0.0 | NS | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| cis-1,2-Dichloroethene | ug/l | 70 | 70 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| cis-1,3-Dichloropropene | ug/l | NS | NS | < 0.28 | < 0.28 | < 0.28 | < 0.28 | < 0.28 |
| Cyclohexane | ug/l | NS | NS | 4.7 J | < 0.37 | < 0.37 | < 0.37 | < 0.37 |
| Dibromochloromethane | ug/l | 1 | 80 | < 0.25 | < 0.25 | < 0.25 | < 0.25 | < 0.25 |
| Dichlorodifluoromethane | ug/l | 1000 | NS | < 0.73 | < 0.73 | < 0.73 | < 0.73 | < 0.73 |
| Ethylbenzene | ug/l | 700 | 700 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 |
| Freon 113 | ug/l | NS | NS | < 0.45 | < 0.45 | < 0.45 | < 0.45 | < 0.45 |
| Isopropylbenzene | ug/l | 700 | NS | 9.6 | 0.51 J | < 0.26 | < 0.26 | < 0.26 |
| Methyl acetate | ug/l | 7000 | NS | < 3.1 | < 3.1 | < 3.1 | < 3.1 | < 3.1 |
| Methyl tert butyl ether | ug/l | 70 | NS | < 0.26 | < 0.26 | < 0.26 | < 0.26 | < 0.26 |
| Methylcyclohexane | ug/l | NS | NS | 1.5 J | < 0.22 | < 0.22 | < 0.22 | < 0.22 |
| Methylene chloride | ug/l | 3 | 5 | < 0.81 | < 0.81 | < 0.81 | < 0.81 | < 0.81 |
| Styrene | ug/l | 100 | 100 | < 0.26 | < 0.26 | < 0.26 | < 0.26 | < 0.26 |
| Tetrachloroethene | ug/l | 1 | 5 | < 0.35 | < 0.35 | < 0.35 | < 0.35 | < 0.35 |
| Toluene | ug/l | 600 | 1000 | < 0.22 | < 0.22 | < 0.22 | < 0.22 | < 0.22 |

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|--------------------------------------------------------------|-------|-------------------|------------|---------------------------------------------------|--------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Trans-1,2-dichloroethene | ug/l | 100 | 100 | < 0.51 | < 0.51 | < 0.51 | < 0.51 | < 0.51 |
| trans-1,3-Dichloropropene | ug/l | NS | NS | < 0.32 | < 0.32 | < 0.32 | < 0.32 | < 0.32 |
| Trichloroethene | ug/l | 1 | 5 | < 0.25 | < 0.25 | < 0.25 | < 0.25 | < 0.25 |
| Trichlorofluoromethane | ug/l | 2000 | NS | < 0.28 | < 0.28 | < 0.28 | < 0.28 | < 0.28 |
| Vinyl Chloride | ug/l | 1 | 2 | < 0.17 | < 0.17 | < 0.17 | < 0.17 | < 0.17 |
| Xylenes | ug/l | 1000 | 10000 | 101 | 0.72 J | < 0.20 | < 0.20 | < 0.20 |
| Total Alkanes | ug/l | NS | NS | 0 | 0 | 0 | 0 | 0 |
| Total TIC, Volatile | ug/l | NS | NS | 114.6 JN | 0 | 0 | 0 | 0 |

Notes:

Results are presented in µg/L unless otherwise noted.

Bold values indicate value is above the GWQS.

Shaded values indicate value is above the USEPA MCL.

Bold and shaded values indicate value is above the GWQS and the USEPA MCL.

¹ GWQS, Class IIA, as specified in New Jersey Administrative Code 7:9-6, current 2005 and interim criteria, select 2004 criteria are presented in [].

Italicized values indicate detection limit is above the GWQS standard.

< = not detected

GWQS = Groundwater Quality Standard

J = estimated result

N = The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

MCL = maximum concentration limit

NS = no standard

VOC = volatile organic compound

µg/L = micrograms per liter

USEPA = United States Environmental Protection Agency